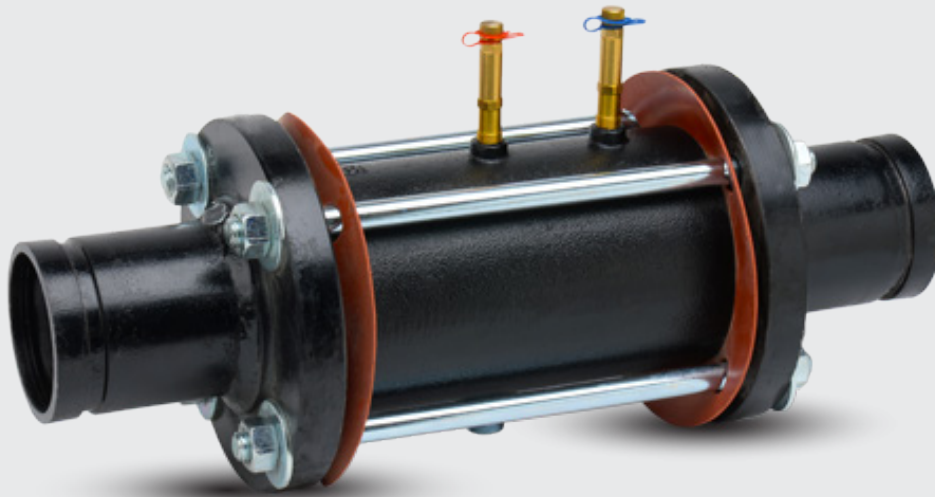


WG



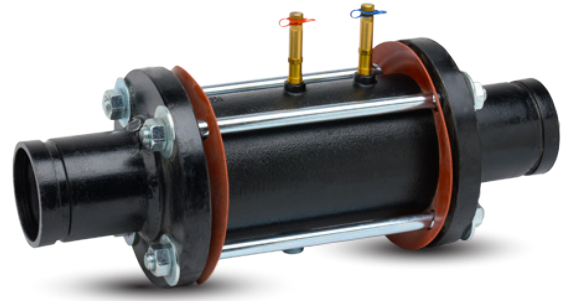
Automatic Balancing Valves

Flow Control Valve with grooved ends


Engineering
GREAT Solutions

WG

Model WG is a grooved wafer-style AutoFlow assembly factory set to automatically limit the specified flow to within ± 5 percent accuracy. Extended pressure / temperature ports and a 1/2" FPT with a drain plug on the bottom are standard. The assembly has two grooved adapter flanges that require two standard grooved couplings (not supplied) for field installation. The flanges and flange bolts are shipped assembled.



Key features

- > **Flow Regulator**
 Reduced wasted pumping
- > **Grooved Connections**
- > **Changeable Cartridges**
- > **Tamper Resistant**

Technical description

Application:
Hydronic Balancing

Pressure class:
225 psig at 250° F

Material:
 Body: Ductile Iron (2.5" - 14" models)
 Flow Cartridge: Stainless Steel Wear
 Surfaces with Stainless Steel Spring
 Flanges: Class 150 ANSI

Functions:
Flow Regulator

Accuracy:
 ± 5 %

Dimensions:
2 1/2" - 14"

Flow

Model	Maximum Flow gpm (lps)*					
	Control Range psi (kpa)					
	2-32 (1) (14-221)	5-60 (2) (34-414)	3-20 (3) (21-138)	5-40 (4) (34-276)	7-45 (5) (48-310)	
WG0250(-)	80 (5)	120 (8)	--	--	--	
WG0300(-)	135 (9)	170 (11)	200	250	300	
WG0400(-)	270 (17)	340 (22)	400	500	600	
WG0500(-)	405 (26)	510 (32)	600	750	900	
WG0600(-)	540 (34)	680 (43)	800	1000	1200	
WG0800(-)	945 (60)	1190 (76)	1400	1750	2100	
WG1000(-)	1485 (94)	1870 (118)	2200	2750	3300	
WG1200(-)	2025 (128)	2550 (161)	3000	3750	4500	
WG1400(-)	2565 (162)	3230 (203)	3800	4750	5700	

Notes

The (-) in the model number must be replaced by: **3** (3-20), **4** (5-40) or **5** (7-45); for the WG0250 use **1** (2-32) and **2** (5-60) ranges instead of (3-20) & 5-40).

For pump head calculations, the following loss applies for each range: 4.6 ft. (2-32); 11.06 ft. (5-60); 6.9 ft. (3-20); 11.6 ft. (5-40); & 16.2 ft. (7-45).

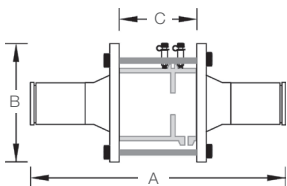
The flows can be reduced in 10 GPM increments; 5 GPM for 2 1/2".

All weights and dimensions given are in pounds and inches and are subject to minor changes.

* Denotes female thread not available on union end.

See operation manual for Installation and Maintenance F033.

Articles



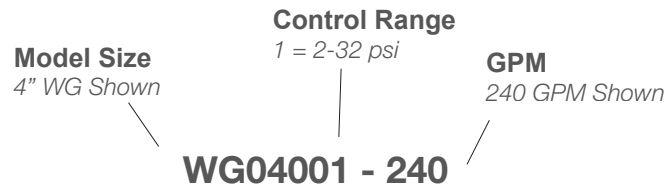
Dimensions

Model	Size in./(mm)	A in./(mm)	B in./(mm)	C in./(mm)	Max No. 3" Canisters	Weight lb./(kg)
WG0250(-)	2.5 (65)	16.5 (419)	7.0 (178)	6.0 (152)	*1	33 (15)
WG0300(-)	3.0 (76)	19.5 (495)	7.5 (191)	9.0 (229)	1	42 (19)
WG0400(-)	4.0 (102)	20.5 (521)	9.0 (229)	9.6 (244)	2	71 (32)
WG0500(-)	5.0 (127)	21.2 (540)	10.0 (254)	10.0 (254)	3	97 (44)
WG0600(-)	6.0 (152)	21.7 (552)	11.0 (279)	10.2 (258)	4	110 (50)
WG0800(-)	8.0 (203)	22.7 (565)	13.5 (343)	11.0 (279)	7	166 (75)
WG1000(-)	10.0 (254)	22.7 (565)	16.0 (406)	11.0 (279)	11	268 (122)
WG1200(-)	12.0 (305)	22.7 (565)	19.0 (483)	11.0 (279)	15	336 (152)
WG1400(-)	14.0 (356)	22.7 (565)	21.0 (533)	11.0 (279)	19	482 (219)

Note:

*WG-250 uses a 2 1/2" cartridge

Model Order Designation



Options Available

- MI** Metal ID Tag
- PI** Plastic ID Tag



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